

FFFFFFFFFFFFFFFF	111	111	AAAAAAAAAA	
FFFFFFFFFFFFFFFF	111	111	AAAAAAAAAA	
FFFFFFFFFFFFFFFF	111	111	AAAAAAAAAA	
FFF	111111	111111	AAA	AAA
FFF	111111	111111	AAA	AAA
FFF	111111	111111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFFFFFFFFFFFFF	111	111	AAA	AAA
FFFFFFFFFFFFFF	111	111	AAA	AAA
FFFFFFFFFFFFFF	111	111	AAA	AAA
FFF	111	111	AAAAAAAAAAAAAAAA	AAA
FFF	111	111	AAAAAAAAAAAAAAAA	AAA
FFF	111	111	AAAAAAAAAAAAAAAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	1111111111	1111111111	AAA	AAA
FFF	1111111111	1111111111	AAA	AAA
FFF	1111111111	1111111111	AAA	AAA

```

LL          IIIIII          SSSSSSSS
LL          IIIIII          SSSSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
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LL          II             SS
LLLLLLLLLLLL IIIIII          SSSSSSSS
LLLLLLLLLLLL IIIIII          SSSSSSSS

```

DELETE

B 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 1 (1)

```
0001 0 MODULE DELETE (
0002 0
0003 0     LANGUAGE (BLISS32),
0004 0     IDENT = 'V04-000'
0005 1 BEGIN
0006 1
0007 1
0008 1 *****
0009 1 *
0010 1 *   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0011 1 *   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0012 1 *   ALL RIGHTS RESERVED.
0013 1 *
0014 1 *   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
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0016 1 *   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0017 1 *   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0018 1 *   OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0019 1 *   TRANSFERRED.
0020 1 *
0021 1 *   THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0022 1 *   AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0023 1 *   CORPORATION.
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0026 1 *   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0027 1 *
0028 1 *
0029 1 *****
0030 1
0031 1 ++
0032 1
0033 1 FACILITY: F11ACP Structure Level 1
0034 1
0035 1 ABSTRACT:
0036 1
0037 1     This routine performs the DELETE function.
0038 1
0039 1 ENVIRONMENT:
0040 1
0041 1     STARLET operating system, including privileged system services
0042 1     and internal exec routines.
0043 1
0044 1 --
0045 1
0046 1
0047 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 1-Apr-1977
0048 1
0049 1 MODIFIED BY:
0050 1
0051 1     A0101   ACG0116   Andrew C. Goldstein,   16-Jan-1980  16:47
0052 1           Swallow errors reading the file header
0053 1
0054 1     A0100   ACG00001  Andrew C. Goldstein,  10-Oct-1978  20:02
0055 1     Previous revision history moved to F11A.REV
0056 1
0057 1 **
```


DELETE
V04-000

C 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 2 (1)

```

: 58      0058 1
: 59      0059 1 LIBRARY 'SYSS$LIBRARY:LIB.L32';
: 60      0060 1 REQUIRE 'SRC$:FCPDEF.B32';
: 61      0375 1
: 62      0376 1
: 63      0377 1 FORWARD ROUTINE
: 64      0378 1 DELETE,           ! main delete function
: 65      0379 1 MARK_DELETE      : NOVALUE,      ! mark file for delete
: 66      0380 1 MARKDEL_FCB,      ! mark FCB of file for delete
: 67      0381 1 DELETE_HANDLER;    ! condition handler for delete function
: 68      0382 1
: 69      0383 1 OWN
: 70      0384 1 SAVE_STATUS;      ! place to save user status for handler
```

**F1

DELETE
V04-000

D 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1
Page 3
(2)

DELI

```

72 0385 1 GLOBAL ROUTINE DELETE =
73 0386 1
74 0387 1 !++
75 0388 1
76 0389 1 FUNCTIONAL DESCRIPTION:
77 0390 1
78 0391 1 This routine performs the remove and mark for delete functions.
79 0392 1
80 0393 1 CALLING SEQUENCE:
81 0394 1 DELETE ()
82 0395 1
83 0396 1 INPUT PARAMETERS:
84 0397 1 NONE
85 0398 1
86 0399 1 IMPLICIT INPUTS:
87 0400 1 IO_PACKET: I/O packet in process
88 0401 1
89 0402 1 OUTPUT PARAMETERS:
90 0403 1 PRIMARY_FCB: FCB of file
91 0404 1
92 0405 1 IMPLICIT OUTPUTS:
93 0406 1 NONE
94 0407 1
95 0408 1 ROUTINE VALUE:
96 0409 1 1
97 0410 1
98 0411 1 SIDE EFFECTS:
99 0412 1 directory entry removed
100 0413 1 file marked for delete or deleted
101 0414 1
102 0415 1 !--
103 0416 1
104 0417 2 BEGIN
105 0418 2
106 0419 2 LOCAL
107 0420 2 ABD : REF BBLOCKVECTOR [,ABD$C_LENGTH],
108 0421 2 : buffer descriptors
109 0422 2 FIB : REF BBLOCK; : FIB
110 0423 2
111 0424 2 EXTERNAL
112 0425 2 CLEANUP_FLAGS : BITVECTOR, : cleanup action flags
113 0426 2 IO_PACKET : REF BBLOCK, : I/O packet in process
114 0427 2 CURRENT_WINDOW : REF BBLOCK, : window of open file
115 0428 2 PRIMARY_FCB : REF BBLOCK, : FCB of file
116 0429 2 CURRENT_VCB : REF BBLOCK; : VCB of volume
117 0430 2
118 0431 2 EXTERNAL ROUTINE
119 0432 2 GET_FIB, : get FIB of request
120 0433 2 FIND, : find name in directory
121 0434 2 SEARCH_FCB; : search FCB list
122 0435 2
123 0436 2
124 0437 2 ! First find the buffer descriptor, FIB, FCB, etc. then remove the
125 0438 2 ! directory entry.
126 0439 2
127 0440 2
128 0441 2 ! pointer to buffer descriptors
```

DELETE
V04-000

E 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1
Page 4
(2)

```

129 0442 2 ABD = .BBLOCK [.IO_PACKET[IRPSL_SVAPTE], AIB$ _DESCRIPT];
130 0443 2 FIB = GET_FIB (.ABD);
131 0444 2
132 0445 2 IF .CURRENT_VCB[VCB$V_NOALLOC]
133 0446 2 THEN ERR_EXIT (SS$ _WRITLCK);
134 0447 2
135 0448 2 ! If a directory ID is present, do a directory search first and remove
136 0449 2 ! the directory entry.
137 0450 2
138 0451 2
139 0452 2 IF .FIB[FIB$W_DID_NUM] NEQ 0
140 0453 2 THEN FIND (.ABD, .FIB, 1);
141 0454 2
142 0455 2 ! If there is a file open on the channel, check the file ID returned by the
143 0456 2 ! FIND against that of the open file. If they do not match, treat the file
144 0457 2 ! as if it were not open.
145 0458 2
146 0459 2
147 0460 2 IF .PRIMARY_FCB NEQ 0
148 0461 2 THEN
149 0462 2 BEGIN
150 0463 2 IF .PRIMARY_FCB[FCB$W_FID_NUM] NEQ .FIB[FIB$W_FID_NUM]
151 0464 2 OR .PRIMARY_FCB[FCB$W_FID_SEQ] NEQ .FIB[FIB$W_FID_SEQ]
152 0465 2 THEN CURRENT_WINDOW = 0;
153 0466 2 END;
154 0467 2
155 0468 2 PRIMARY_FCB = SEARCH_FCB (FIB[FIB$W_FID]);
156 0469 2
157 0470 2 ! Now actually mark the file for delete if requested.
158 0471 2
159 0472 2
160 0473 2 IF .BBLOCK [.IO_PACKET[IRPSW_FUNC], IOSV_DELETE]
161 0474 2 THEN MARK_DELETE (.FIB);
162 0475 2
163 0476 2 RETURN 1;
164 0477 2
165 0478 1 END;
```

! end of routine DELETE

```

.TITLE DELETE
.IDENT \V04-000\
.PSECT $LOCKEDD1$,NOEXE,2
00000 SAVE_STATUS:
.BKLB 4
.EXTRN CLEANUP_FLAGS, IO_PACKET
.EXTRN CURRENT_WINDOW, PRIMARY_FCB
.EXTRN CURRENT_VCB, GET_FIB
.EXTRN FIND, SEARCH_FCB
.PSECT $CODE$,NOWRT,2
.ENTRY DELETE, Save R2,R3
MOVL IO_PACKET, R0
MOVL @4(R0), ABD
```

```

50 0000G CF DO 00002
53 2C B0 DO 00007
```

```

: 0385
: 0442
:
```


DELETE
V04-000

F 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[CF11A.SRC]DELETE.B32;1

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(2)

05	0000G	CF	52	0000G	CF	50	025C	8F	04	0001A	8F	BF	0001F	04	00023	0A	A2	B5	00024	1\$:	PUSHL	ABD	:	0443	
		50	0000G	CF	50	0000G	CF	50	04	00015	01	FB	0000D	01	FB	0000D	01	FB	0000D		CALLS	#1, GET_FIB	:		
		A0							04	0001A	50	DD	00012	50	DD	00012	01	FB	0000D		MOVL	RO, FIB	:	0445	
									04	0001A	04	E1	0001A	04	E1	0001A	04	E1	0001A		MOVL	CURRENT_VCB, RO	:		
									8F	BF	04	00023	04	00023	04	00023	04	00023	04	00023		BBC	#4, 11(RO), 1\$:	0446
																					CHMU	#604	:		
																					RET		:	0452	
																					TSTW	10(FIB)	:		
																					BEQL	2\$:	0453	
																					PUSHL	#1	:		
																					PUSHL	FIB	:		
																					PUSHL	ABD	:		
																					CALLS	#3, FIND	:		
																					MOVL	PRIMARY_FCB, RO	:	0460	
																					BEQL	4\$:		
																					CMPW	36(RO), 4(FIB)	:	0463	
																					BNEQ	3\$:		
																					CMPW	38(RO), 6(FIB)	:	0464	
																					BEQL	4\$:		
																					CLRL	CURRENT_WINDOW	:	0465	
																					PUSHAB	4(FIB)	:	0468	
																					CALLS	#1, SEARCH_FCB	:		
																					MOVL	RO, PRIMARY_FCB	:		
																					MOVL	IO_PACKET, RO	:	0473	
																					BLBC	33(RO), 5\$:		
																					PUSHL	FIB	:	0474	
																					CALLS	#1, MARK_DELETE	:		
																					MOVL	#1, RO	:	0476	
																					RET		:	0478	

; Routine Size: 110 bytes, Routine Base: \$CODE\$ + 0000

DELETE
V04-000

G 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1
Page 6
(3)

```

167 0479 1 GLOBAL ROUTINE MARK_DELETE (FIB) : NOVALUE =
168 0480 1
169 0481 1 !++
170 0482 1
171 0483 1 FUNCTIONAL DESCRIPTION:
172 0484 1
173 0485 1 This routine marks the indicated file for delete and deletes it
174 0486 1 if it is not accessed.
175 0487 1
176 0488 1 CALLING SEQUENCE:
177 0489 1 MARK_DELETE (ARG1)
178 0490 1
179 0491 1 INPUT PARAMETERS:
180 0492 1 ARG1: address of FIB
181 0493 1
182 0494 1 IMPLICIT INPUTS:
183 0495 1 NONE
184 0496 1
185 0497 1 OUTPUT PARAMETERS:
186 0498 1 NONE
187 0499 1
188 0500 1 IMPLICIT OUTPUTS:
189 0501 1 NONE
190 0502 1
191 0503 1 ROUTINE VALUE:
192 0504 1 NONE
193 0505 1
194 0506 1 SIDE EFFECTS:
195 0507 1 file marked for delete or deleted
196 0508 1
197 0509 1 --
198 0510 1
199 0511 2 BEGIN
200 0512 2
201 0513 2 BUILTIN
202 0514 2 FP;
203 0515 2
204 0516 2 MAP
205 0517 2 FIB : REF BBLOCK; ! FIB
206 0518 2
207 0519 2 LOCAL
208 0520 2 FCB : REF BBLOCK; ! FCB of file
209 0521 2 HEADER : REF BBLOCK; ! file header
210 0522 2
211 0523 2 OWN
212 0524 2 DELETEDOGENB : INITIAL (0); ! delete logger enable
213 0525 2
214 0526 2 EXTERNAL
215 0527 2 USER STATUS, : status to return to user
216 0528 2 CLEANUP_FLAGS : BITVECTOR, ! cleanup action flags
217 0529 2 CURRENT_WINDOW : REF BBLOCK; ! window of open file
218 0530 2
219 0531 2 EXTERNAL ROUTINE
220 0532 2 SEARCH_FCB, ! search FCB list
221 0533 2 READ_HEADER, ! read file header
222 0534 2 LOG_DELETE, ! send message to delete logger
223 0535 2 CHECK_PROTECT, ! check file protection
```


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[illegible]

! Check that the file is not a reserved file (FID less than 5).

```
! Find the FCB, if any, and then read the header. Reading the header is done
! under a condition handler that quietly exits with success if errors are
! encountered. Thus, deleting a bad file header succeeds quietly.
```

```
IF .DELETELOGENB THEN LOG_DELETE (.FIB, .HEADER):
```

CHECK_PROTECT (DELETE_ACCESS, .HEADER, .FCB):

```
CLEANUP_FLAGS[CLF_REENTER] = 0;           ! from now on deletion proceeds
```

```
HEADER[FH1$V_MARKDEL] = 1;
MARK_DIRTY (HEADER);
```

```
END;                                ! end of routine MARK_DELETE
```

```
! mark buffer for write-back
! delete the file
! checksum file header
```

.....

```
.PSECT $LOCKEDD1$,NOEXE,2
00000000 00004 DELETEDOGENB:
.LONG 0
;
.EXTRN USER_STATUS, READ_HEADER
.EXTRN LOG_DELETE, CHECK_PROTECT
.EXTRN MARK_DIRTY, DELETE_FILE
.EXTRN CHECKSUM, SYSSCMKRNL
.PSECT $CODE$,NOWRT,2
.ENTRY MARK_DELETE, Save R2,R3
MOV  FIB, R0
CMP  4(R0), #5
BGEQ 1$
CHMU  #36
RET
ADDL3 #4, FIB, R2
PUSHL R2
CALLS #1, SEARCH_FCB
MOV  R0, FCB
MOV  USER_STATUS, SAVE_STATUS
MOVAB DELETE_HANDLER, (FP)
PUSHR #*M<R2,R3>
CALLS #2, READ_HEADER
MOV  R0, HEADER
CLRL (FP)
BLBC DELETEDOGENB, 2$
PUSHL HEADER
PUSHL FIB
CALLS #2, LOG_DELETE
PUSHR #*M<R2,R3>
PUSHL #2
CALLS #3, CHECK_PROTECT
TSTL FCB
BEQL 4$
TSTW 28(FCB)
BEQL 4$
MOV  CURRENT_WINDOW, R0
BEQL 3$
BBS  #1, 11(R0), 4$
CHMU  #2048
RET
BICB2 #128, CLEANUP_FLAGS+2
BISB2 #128, 13(HEADER)
PUSHL HEADER
CALLS #1, MARK_DIRTY
PUSHL FCB
PUSHL #1
PUSHL SP
PUSHAB MARKDEL_FCB
CALLS #4, @SYSSCMKRNL
BLBC R0, 5$
PUSHL HEADER
PUSHL FIB
CALLS #2, DELETE_FILE
```

52	04	AC	04	000C	00000	1\$:		0479
	50		04	AC	D0	00002		0544
	05			A0	B1	00006		
				03	1E	0000A		
				24	BF	0000C		
					04	0000E		0545
				04	C1	0000F		0552
				52	DD	00014		
	0000G	CF		01	FB	00016		
		53		50	D0	0001B		
	0000'	CF	0000G	CF	D0	0001E		0553
		6D	0000V	CF	9E	00025		0554
				0C	BB	0002A		0555
	0000G	CF		02	FB	0002C		
		52		50	D0	00031		
				6D	D4	00034		0556
		0A	0000'	CF	E9	00036		0558
				52	DD	0003B		
	0000G	CF	04	AC	DD	0003D		
				02	FB	00040		
				0C	BB	00045	2\$:	0564
				02	DD	00047		
	0000G	CF		03	FB	00049		
				53	D5	0004E		0566
				16	13	00050		
			1C	A3	B5	00052		0568
				11	13	00055		
	50		0000G	CF	D0	00057		0570
				05	13	0005C		
05	0B	A0		01	E0	0005E		0572
			0800	8F	BF	00063	3\$:	0573
				04	00067			
	0000G	CF	80	8F	8A	00068	4\$:	0575
		0D	80	8F	88	0006E		0582
				52	DD	00073		0583
	0000G	CF		01	FB	00075		
				53	DD	0007A		0585
				01	DD	0007C		
				5E	DD	0007E		
			0000V	CF	9F	00080		
00000000G	9F			04	FB	00084		
	0B			50	E9	0008B		
				52	DD	0008E		0586
			04	AC	DD	00090		
	0000G	CF		02	FB	00093		

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DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 (3)

52 04 06098 58:
01 DD 00699
FB 00049
04 000A0

```
RET
PUSHL    HEADER
CALLS    #!, CHECKSUM
RET
```

0587
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; Routine Size: 161 bytes, Routine Base: \$CODE\$ + 006E

DELF
V04-

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VAX-11 BLISS-32 V4.0-742 Page 10
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32:1 (4)

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[illegible]

DELETE
V04-000

16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742 Page 11
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32:1 (4)

DELF
V04-

```

0647      !
0648      !
0649      IF .FCB NEQ 0
0650      THEN
0651          BEGIN
0652              FCB[FCBSV MARKDEL] = 1;
0653              IF TESTBITSC (FCB[FCBSV DIR])
0654              THEN CURRENT VCB[VCBSB [RU LIM] = .CURRENT VCB[VCBSB_LRU LIM] + 1;
0655              IF .FCB[FCBSB ACNT] NEQ 0 THEN RETURN 0; !-file is accessed
0656              REMQUE (.FCB, DUMMY);
0657              DEL EXTFCB (.FCB);
0658              DEALLOCATE (.FCB);
0659              IF .PRIMARY_FCB EQL .FCB THEN PRIMARY_FCB = 0;
0660              IF .DIR_FCB EQL .FCB THEN DIR_FCB = 0;
0661          END;
0662      !
0663      RETURN 1;
0664      ! ok to delete file
0665      ! end of routine MARKDEL_FCB

```

```

.EXTRN  DIR_FCB, DEL_EXTFCB
.EXTRN  DEACLOCATE

```

.ENTRY MARKDEL_FCB, Save nothing

			0000	00000	
	51	04	AC	D0	00002
			41	13	00006
22	A1		02	88	00008
22	A1		00	E5	0000C
	50	0000G	CF	D0	00011
		49	A0	96	00016
		1A	A1	B5	00019
			2F	12	0001C
	50		61	0F	0001E
		04	AC	DD	00021
0000G	CF		01	FB	00024
		04	AC	DD	00029
0000G	CF		01	FB	0002C
04	AC	0000G	CF	D1	00031
			04	12	00037
		0000G	CF	D4	00039
04	AC	0000G	CF	D1	0003D
			04	12	00043
		0000G	CF	D4	00045
	50		01	D0	00049
				04	0004C
			50	D4	0004D
				04	0004F

BISB2	#2, 34(R1)	0652
BBCC	#0, 34(R1), 1\$	0653
MOVL	CURRENT_VCB, R0	0654
INCB	73(R0)	
TSTW	26(R1)	0655
BNEQ	4\$	
REMQUE	(R1), DUMMY	0656
PUSHL	FCB	0657
CALLS	#1, DEL_EXTFCB	
PUSHL	FCB	0658
CALLS	#1, DEALLOCATE	
CMPL	PRIMARY_FCB, FCB	0659
BNEQ	2\$	
CLRL	PRIMARY_FCB	
CMPL	DIR_FCB, FCB	0660
BNEQ	3\$	
CLRL	DIR_FCB	
MOVL	#1, R0	0663
RET		
CLRL	R0	0665
RET		

; Routine Size: 80 bytes, Routine Base: \$CODES + 010F

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DELETE
V04-000

M 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 12
(5)

**F1

```

356 0666 1 ROUTINE DELETE_HANDLER (SIGNAL, MECHANISM) =
357 0667 1
358 0668 1 ++
359 0669 1
360 0670 1 FUNCTIONAL DESCRIPTION:
361 0671 1
362 0672 1 This routine is the condition handler for reading the file header.
363 0673 1 If any errors occur, it unwinds and returns to MARK_DELETE's caller,
364 0674 1 causing the delete of a bad file header to be a quiet NOP.
365 0675 1
366 0676 1
367 0677 1 CALLING SEQUENCE:
368 0678 1 HANDLER (ARG1, ARG2)
369 0679 1
370 0680 1 INPUT PARAMETERS:
371 0681 1 ARG1: address of signal array
372 0682 1 ARG2: address of mechanism array
373 0683 1
374 0684 1 IMPLICIT INPUTS:
375 0685 1 NONE
376 0686 1
377 0687 1 OUTPUT PARAMETERS:
378 0688 1 NONE
379 0689 1
380 0690 1 IMPLICIT OUTPUTS:
381 0691 1 NONE
382 0692 1
383 0693 1 ROUTINE VALUE:
384 0694 1 SS$_RESIGNAL or none if unwind
385 0695 1
386 0696 1 SIDE EFFECTS:
387 0697 1 NONE
388 0698 1
389 0699 1 --
390 0700 1
391 0701 1
392 0702 2 BEGIN
393 0703 2
394 0704 2 MAP
395 0705 2 SIGNAL : REF BBLOCK, ! signal arg array
396 0706 2 MECHANISM : REF BBLOCK; ! mechanism arg array
397 0707 2
398 0708 2 EXTERNAL
399 0709 2 USER_STATUS; ! status to return to user
400 0710 2
401 0711 2
402 0712 2 ! If the condition is change mode to user (error exit) cause an unwind to
403 0713 2 ! return to DELETE's caller.
404 0714 2 Otherwise, just resignal the condition.
405 0715 2
406 0716 2
407 0717 2 IF .SIGNAL[CHFS$L_SIG_NAME] EQL SS$_CMODUSER
408 0718 2 THEN
409 0719 2 BEGIN
410 0720 2 USER_STATUS = .SAVE_STATUS;
411 0721 2 $UNWIND ();
412 0722 2 END;
```


DELETE
V04-000

N 1
16-Sep-1984 00:56:34 VAX-11 Bliss-32 V4.0-742 Page 13
14-Sep-1984 12:29:27 DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 (5)

: 413 0723 2
: 414 0724 2 RETURN SSS_RESIGNAL;
: 415 0725 2
: 416 0726 1 END;

! status is irrelevant if unwinding
! end of routine DELETE_HANDLER

.EXTRN SYSSUNWIND

0000 00000 DELETE_HANDLER:

00000424	50	04	AC	D0	00002	.WORD	Save nothing	: 0666
	8F	04	A0	D1	00006	MOVL	SIGNAL, R0	: 0717
			10	12	0000E	CMPL	4(R0), #1060	
0000G	CF	0000'	CF	D0	00010	BNEQ	15	
			7E	7C	00017	MOVL	SAVE_STATUS, USER_STATUS	: 0720
00000000G	00		02	FB	00019	CLRQ	-(SPT)	: 0721
	50	0918	8F	3C	00020 1\$:	CALLS	#2, SYSSUNWIND	
			04	00025		MOVZWL	#2328, R0	: 0724
						RET		: 0726

; Routine Size: 38 bytes, Routine Base: \$CODE\$ + 015F

: 417 0727 1
: 418 0728 1 END
: 419 0729 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$LOCKEDD1\$	8	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODE\$	389	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	28	0	1000	00:01.9

COMMAND QUALIFIERS

DIRA

DELETE
V04-000

16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 BLiss-32_v4.0-742

Page 14
;1 (5)

```

;      BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:DELETE/OBJ=OBJ$:DELETE MSRC$:DELETE/UPDATE=(ENHS$:DELETE)

```

```

: Size: 389 code + 8 data bytes
: Run Time: 00:11.1
: Elapsed Time: 00:26.8
: Lines/CPU Min: 3947
: Lexemes/CPU-Min: 13608
: Memory Used: 97 pages
: Compilation Complete

```

DIRA
V04-

0164 AH-BT13A-SE
VAX/VMS V4.0

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0165 AH-BT13A-SE
VAX/VMS V4.0

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